

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **62004232 A**

(43) Date of publication of application: **10.01.87**

(51) Int. Cl.

**A61K 31/725**  
**// C08B 37/08**

(21) Application number: **60145132**

(22) Date of filing: **01.07.85**

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**(54) HEMOSTATIC AGENT**

**(57) Abstract**

**PURPOSE:** To provide a hemostatic agent composed of a chitin sponge immobilized with a blood coagulant and having specific wet strength.

**CONSTITUTION:** A hemostatic agent having a wet strength of  $\approx 1\text{g/mm}^2$  can be produced by immobilizing a blood coagulant (e.g. fibrinogen, prothrombin, etc.) to a spongy chitin {poly(N-acetyl-D-glucosamine) or its derivative (e.g. [N-acetyl-6-O-(2'-hydroxyethyl)-D-glucosamine],

poly[N-acetyl-6-O-(ethyl)-D-glucosamine], etc. produced by treating the exoskeleton, etc., of crustacean or insect with hydrochloric acid and then with sodium hydroxide and separating and purifying the produced protein and calcium component}. When the wet strength is lower than  $1\text{g/mm}^2$ , sufficient hemostatic function cannot be attained. The agent can be applied effectively for stopping the bleeding caused by lesion, bleeding during or after operation, bleeding from the superior digestive tract and other bleeding from a part which is difficult to be ligated.

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